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Invention:

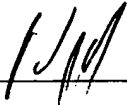
**WATCHDOG TIMER AND METHOD FOR DETECTING ABNORMAL
OPERATION OF COMPUTER, AND COMPUTER INCLUDING THE TIMER**Address to:
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Transmitted herewith are:

10 sheets of formal drawing(s) for this application.

Each sheet of drawing indicates the identifying indicia suggested in 37 CFR Section 1.84(c)
on the reverse side of the drawing.

Signature

Dated: January 24, 2002

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Scully, Scott, Murphy & Presser
400 Garden City Plaza
Garden City, New York 11530I certify that this document and attached formal drawings
are being deposited on Jan 24, 2002 with the
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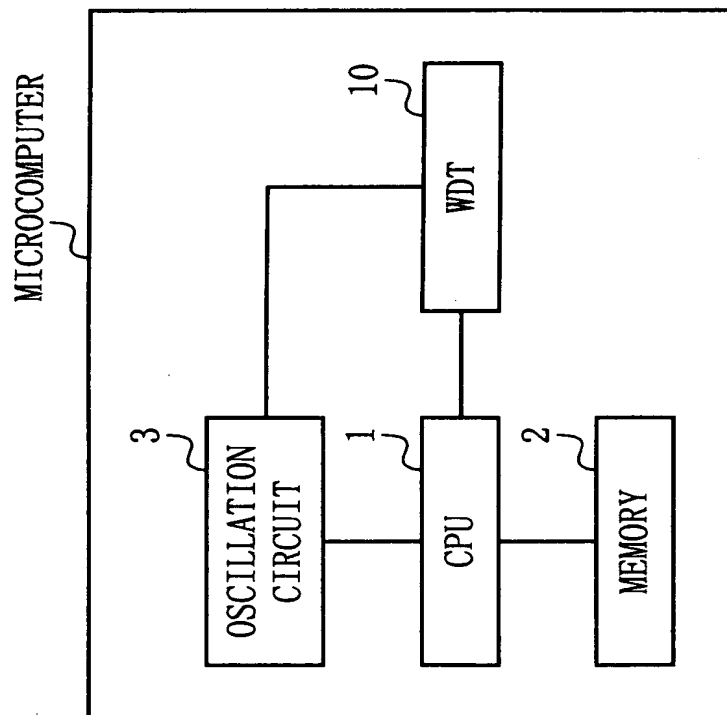


FIG. 1

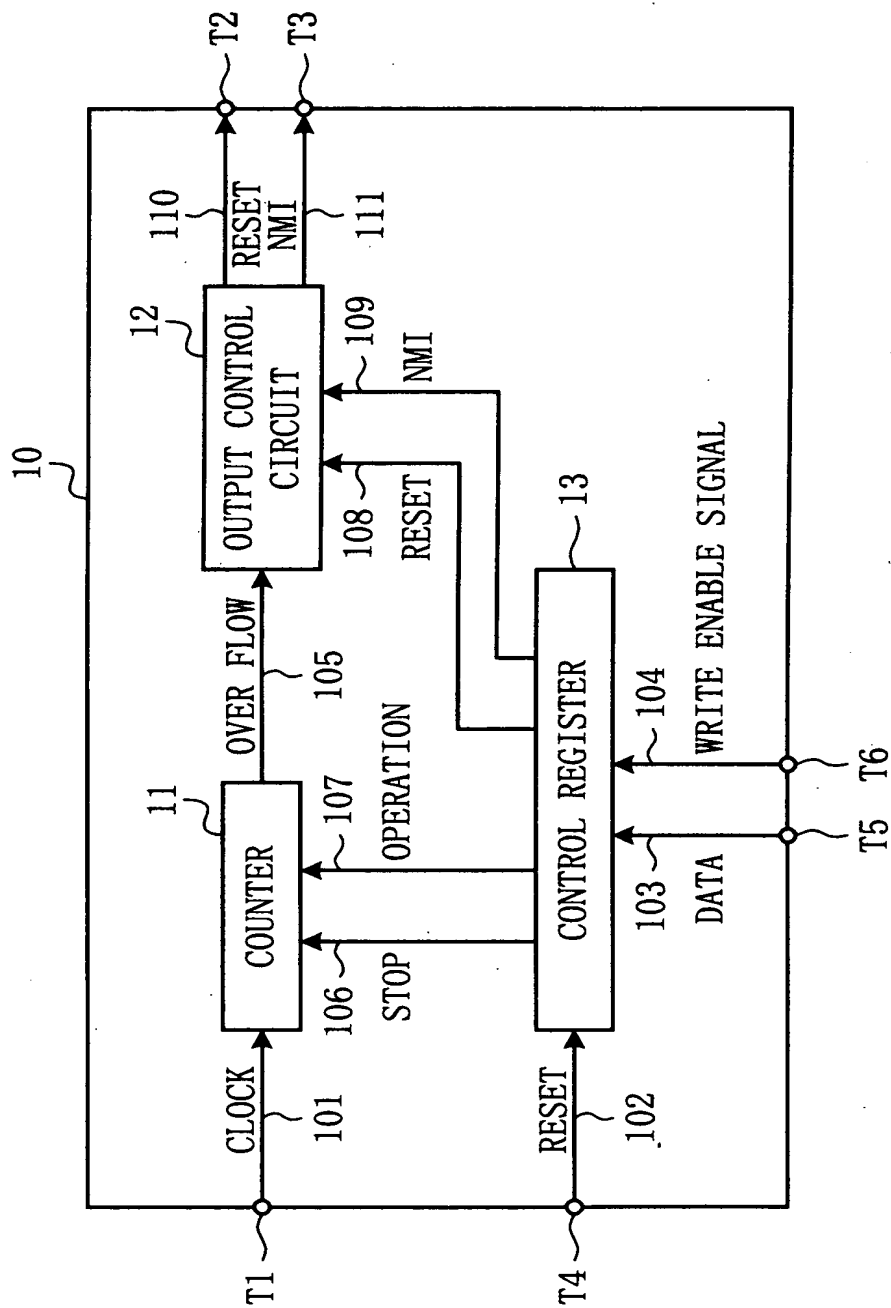


FIG. 2

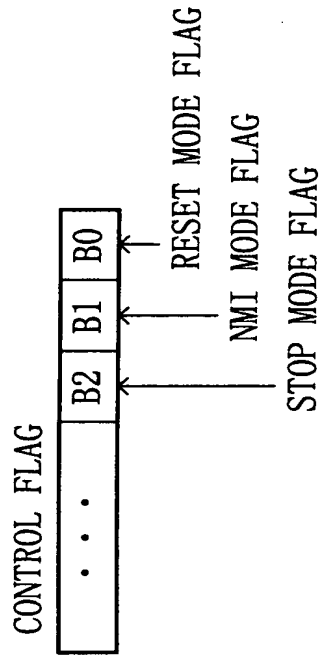


FIG. 3A

OPERATIONAL MODE	B2	B1	B0
RESET MODE	X	X	0
NMI MODE	X	0	1
STOP MODE	0	1	1

X: DON'T CARE

FIG. 3B

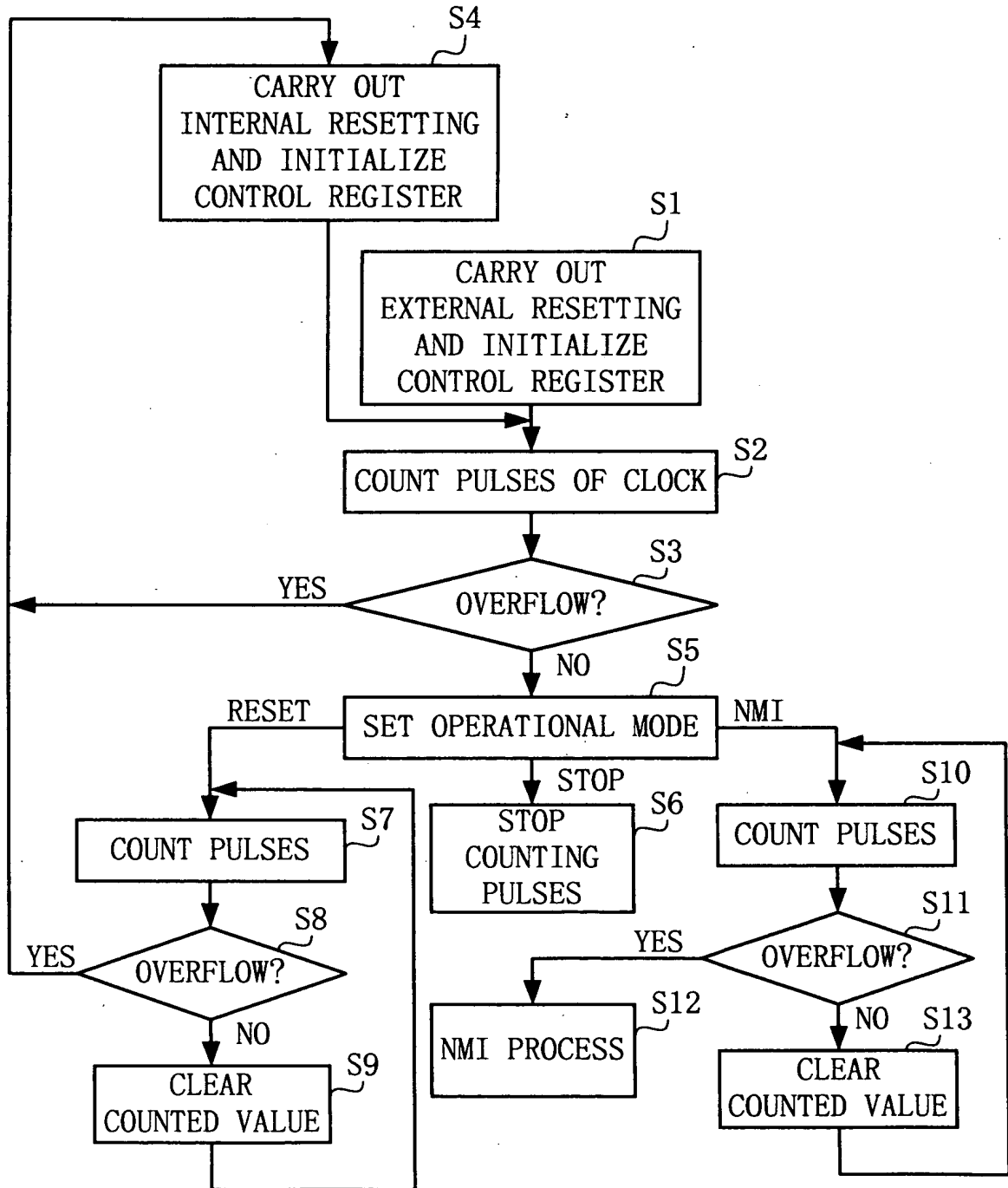


FIG. 4

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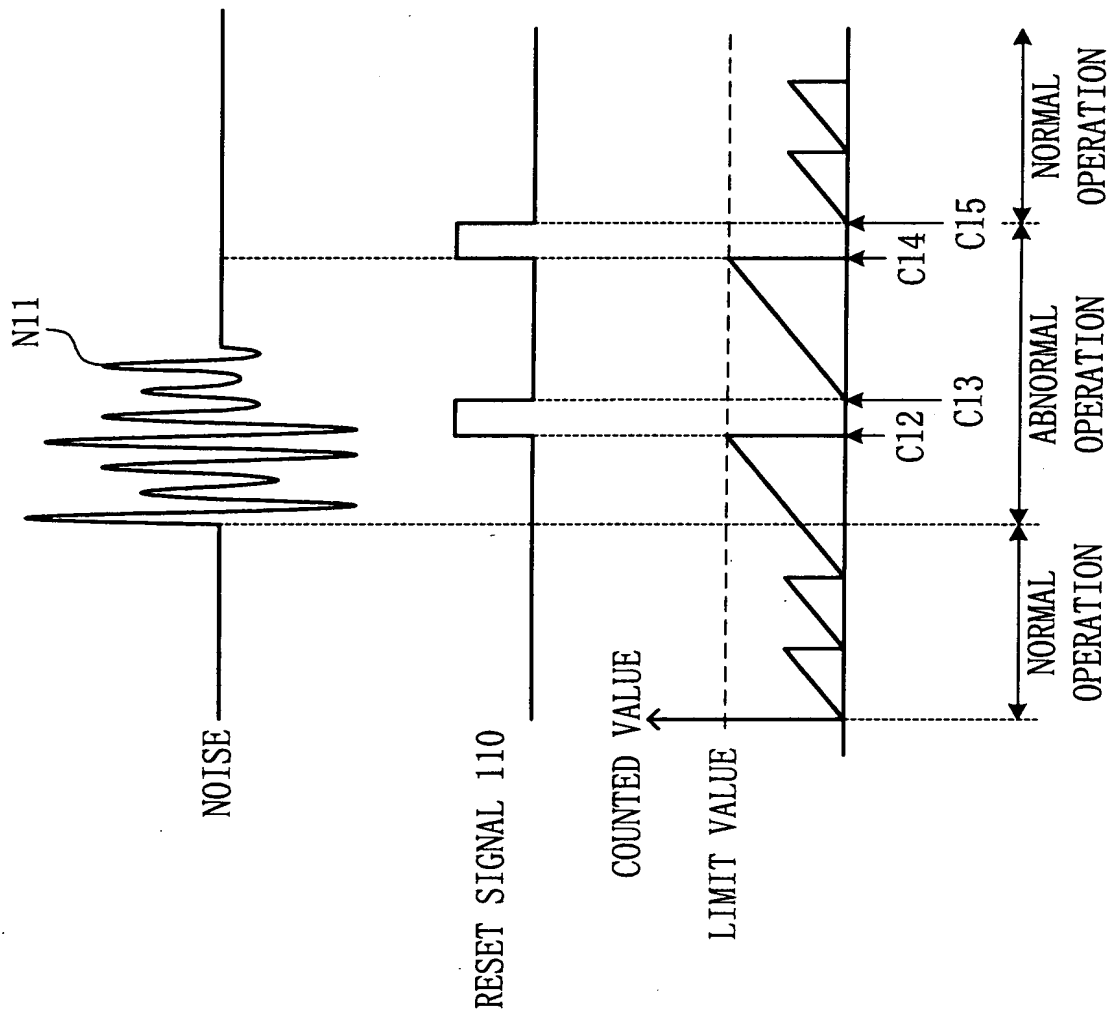


FIG. 5

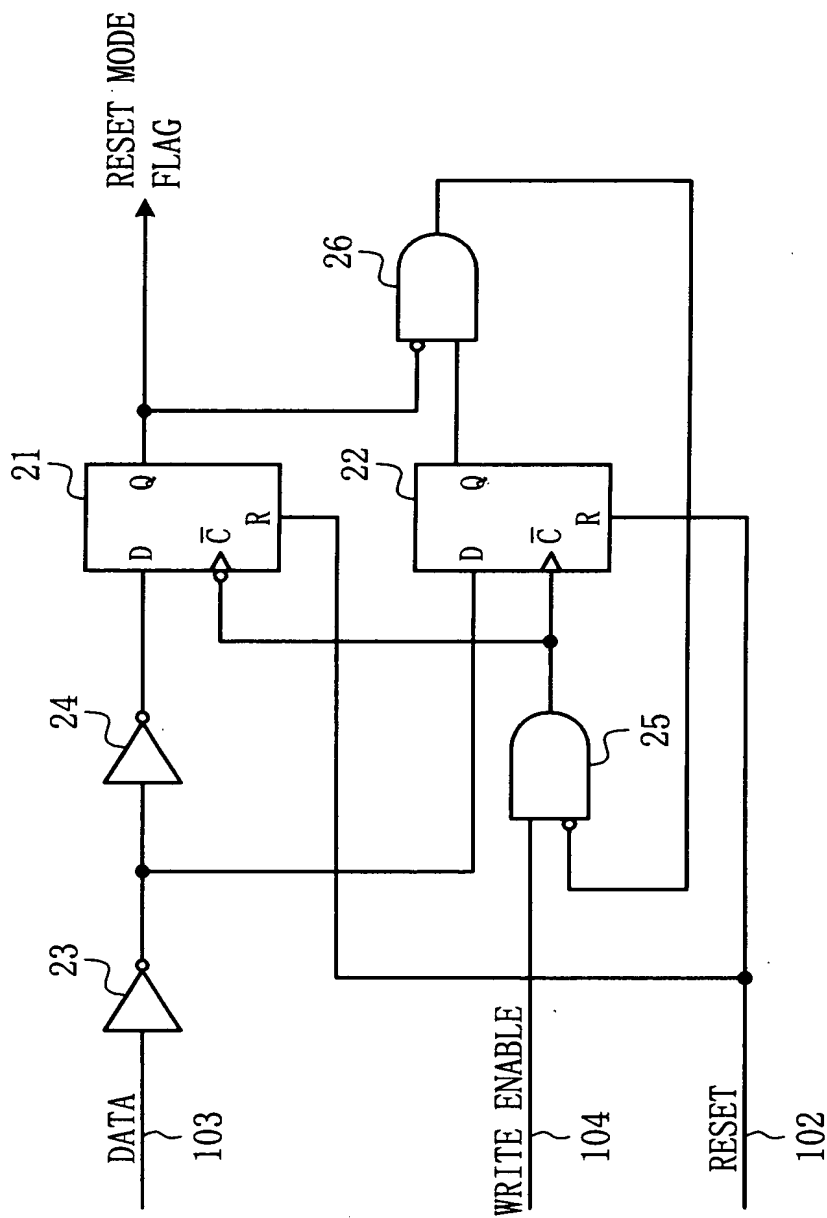


FIG. 6

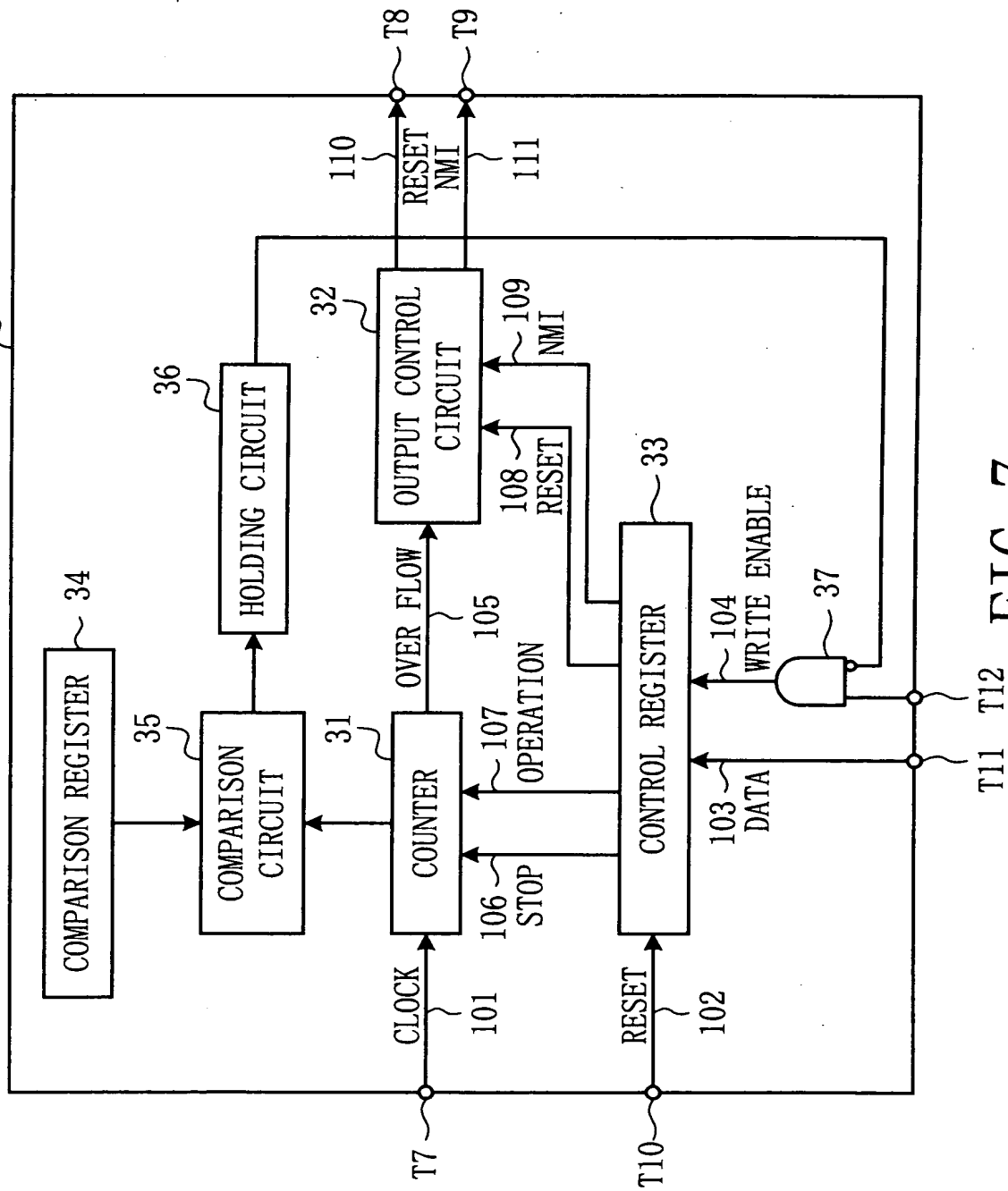


FIG. 7

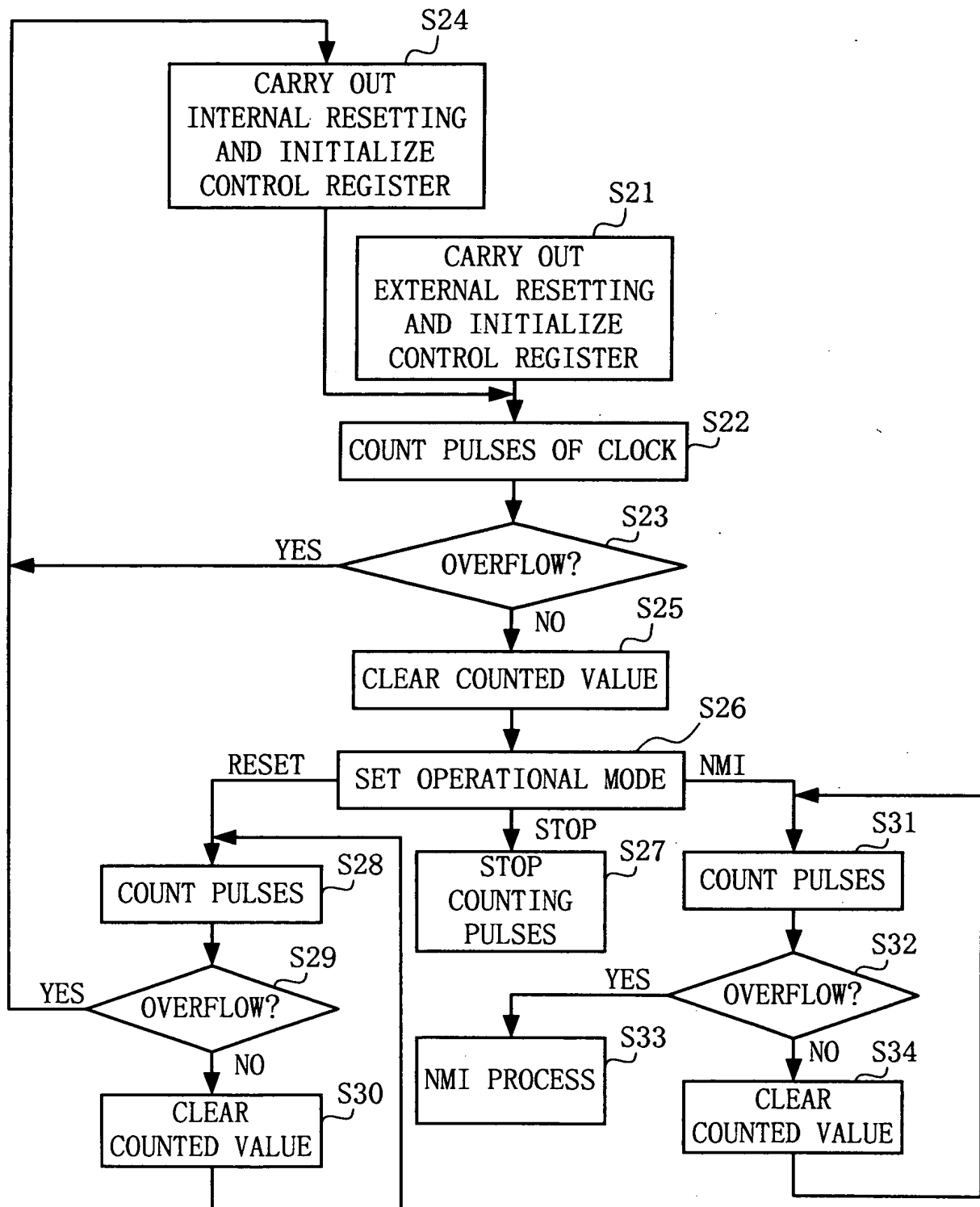


FIG. 8

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	ABNORMAL OPERATION	FACTOR
A	<ul style="list-style-type: none"> • TRANSISTOR(Tr) DOES NOT OPERATE • CLOCK FOR WDT IS NOT PROVIDED 	<ul style="list-style-type: none"> • BREAKAGE OF POWER SOURCE LINE • BREAKAGE OF OSCILLATOR
B	<ul style="list-style-type: none"> • Tr OPERATES • CLOCK FOR WDT IS PROVIDED • SOFTWARE DOES NOT RUN 	<ul style="list-style-type: none"> • ABNORMAL OPERATION IN CPU, ROM, RAM, ETC. (SUCH AS VOLTAGE DROP IN CPU)
C	<ul style="list-style-type: none"> • Tr OPERATES • CLOCK FOR WDT IS PROVIDED • SOFTWARE RUNS • TEMPORARY ABNORMALITY 	<ul style="list-style-type: none"> • COMMON NOISE (E. G. IN POWER SOURCE) • ERROR IN SOFTWARE DESIGN (E. G. UNDEFINED CONDITION)

FIG. 9

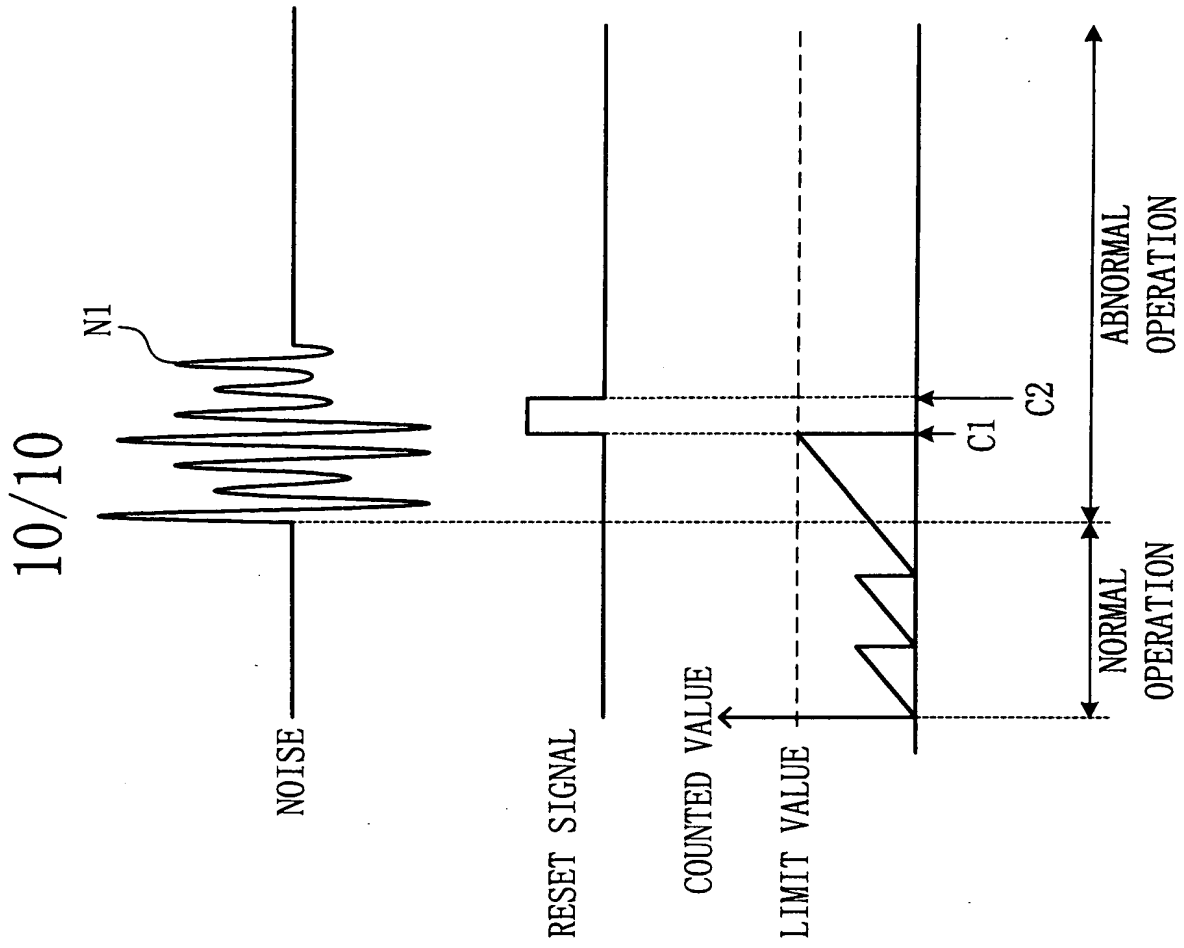


FIG. 10